

IN THE SPECIFICATION:

Please replace the Abstract with the following replacement abstract, in which insertions are indicated by underline, and deletions are indicated by strikethrough or double brackets.

ABSTRACT

A radius of a corner is ~~obtained~~ determined by using a corner radius arithmetically
~~operating means~~ calculating device based on road data and data related to position of a ~~an own~~
vehicle ~~position on the road data, then an.~~ An actual turning radius when the ~~own~~ vehicle enters
the corner is estimated by an actual turning radius ~~arithmetically operating means~~ calculating
device based on at least ~~an own~~ a vehicle speed and motion parameters of the vehicle, and the
motion state of the ~~own~~ vehicle is controlled by the motion state control ~~means~~ device so that an
actual turning radius of the vehicle becomes close to the radius of the corner based on a
calculation by radius difference calculating ~~means~~ device for calculating a difference between the
calculated corner radius ~~arithmetically operated by the corner radius arithmetically operating~~
~~means~~ and the actual turning radius. Thus, a motion state of the vehicle at a time of traveling
around the corner is properly controlled to enable the vehicle to pass the corner reliably.